

Defibrillator Analyzer

DELTA 3000



DELTA 3000, Defibrillator Analyzer / Pacemaker Tester is the latest addition of our Defibrillator Analyzer with full Pacer Tester and ECG Simulator built in.

DELTA 3000, Defibrillator Analyzer / Pacemaker Tester combines the complete testing functions of a Defibrillator Tester, a Pacemaker Analyzer, and a 12 Lead ECG / Arrhythmia simulator into one compact, lightweight, and easy to use instrument. No other instrument delivers the performance testing power of the **DELTA 3000** Defibrillator Analyzer / Pacemaker Tester.

DELTA 3000, Defibrillator Analyzer / Pacemaker Tester tests all defibrillators including AEDs. It measures both monophasic and bi-phasic waveforms. It tests all external pacemakers including Transthoracic, Transvenous, and AV sequential models. It has 12 built-in user selectable test loads for Transthoracic pacing testing. The built-in ECG / Arrhythmia simulator allows performance testing of any ECG equipment.

Features:

- Compact, Lightweight, and Rugged
- Simple, Menu Driven Operation
- Large 4-line LCD
- Simultaneous Display of All Test Measurements
- Dedicated Print Key for Immediate Documentation
- RS 232 Interface
- Battery or AC Operation
- Two-Year Warranty



Measurements:

- Measures: Energy, Peak Voltage, Peak Current, and Cardio Sync. Time
- Storage and Playback of output waveforms
- Tests all External Pacemakers - Transthoracic, Transvenous, and AV Pacers
- Measures: Amplitude, Rate, Pulse Width, Pulse Energy, Sensed and Paced Refractory Periods
- 50 and 60 Hz Immunity Tests
- Transthoracic Test Loads: Fixed 50 Ohm or 12 User Selectable Loads to 1000 Ohms
- A / V Pacer Test Load: 500 Ohm
- ECG Simulator:
 - Tests all ECG Equipment, 12 lead ECG, User Selectable Rates and Amplitudes
 - Performance Waveforms: Sine, Square, Triangle, and Pulse, 12 Arrhythmias



110 Toledo Street, Farmingdale, NY 11735, Phone: 631-531-0100, Fax: 631-531-0101

www.Netech.org 1-800-547-6557 (US)

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Specifications:

Defibrillator Analyzer

Energy Measurement: Load: 50 Ohm \pm 1 %

Range (High): 900 J, Res.1 J

Resolution: 1 Joules, Range (Low): 0 - 100

Resolution: 0.1 Joules, Accuracy: \pm 2% of the reading + 1 J for Hi Range or + 0.5 J for Low Range

Maximum Voltage: 5200 V

Maximum Current: 100 Amp (H)

Sync. Time: 0 - 250 ms

Waveform Output: Real Time: Output 1000 : 1 Stored.

Discharge waveform expanded 200:1 and is repeated 8 sec. It can be viewed through the paddles and through the ECG High Level Output

Pacemaker Analyzer

Transcutaneous:

Test Load: 50 Ohm (Fixed) and variable 100 to 1000 Ohms user selectable

Current: 1 to 200 mA, Accuracy: \pm 5% + 0.5 mA

Pulse Width: 0.5 to 80 ms, Accuracy: \pm 1% + 0.1 ms

Refractory: 20 - 500 ms, Accuracy: \pm 2% or + 10 ms

Atrial and Ventricular:

Test Load: 500 Ohms

Current: 1 to 25 mA, Accuracy: \pm 5% + 0.5 mA

Pulse Rate: 30 to 800 ppm, Accuracy: \pm 1% + 0.1 ms

Refractory: \pm 20 - 500 ms, Accuracy: \pm 2% or 10 ms

Immunity Test: 50 / 60 Hz

General

Power Requirements:

Two-9V Alkaline Batteries Or AC Adapter

Dimension:

10 x 11 x 2.25 inches (25.4 x 27.9 x 5.7 cm)

Weight: 4 lbs (1.8 kg)

Environmental:

Operating Temperature: 59° to 95° F (15° to 35° C), Storage Temperature: 32° to 131° F (0° to 55° C)

ECG Arrhythmia Simulator

ECG: Normal Sinus Rhythm.

Rate: 30, 60, 90, 120, 240

Performance: Sine, Square, Triangle and Pulse

Rate: 0.5, 1, 2, 10, 15, 20, 25, 40 Hz

Arrhythmias:

VFBC, VFBF, VTAC, AFIB, PVC,

PVC1, PVC2, BGY, RBB, AFIB,

ATRFT, NSR

Waveform Output: 12 Lead ECG and Paddle and High Level Output

Ordering Information:

Part Number	Description
650 - A	Defibrillator / Pacemaker Analyzer with Transcutaneous A-V Pacer Analyzer
650	Defibrillator / Pacemaker Analyzer with Transcutaneous/Transvenous Analyzer

For Part numbers for Interface Cables and Accessories Please call or e-mail Sales@netech.org



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